

# Recovery Plan Action Status

Plan Name: Dromedary Pearly Mussel

Plan Status: Final

Plan Date: 09-Jul-84

Lead Agency: USFWS

Lead Office: Tennessee Ecological Services Field Office

(811)  
(528-6481 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Dromedary pearlymussel (Dromus dromas)	1	1.1	Continue to utilize existing legislation and regulations to protect species and habitat.	Ongoing Current	Prior to FY 1995		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Ecological Services, Law Enforcement, Virginia Commission of Game and Inland Fisheries	Other: Regulations	Internal Field Assistance	Task costs have not been estimated for this plan. This species exists with other listed mussels in the same river systems. Thus, a task aimed at this species will benefit others. Rather than attempting to apportion the costs to each species, recovery tasks will be estimated at a later date when the plans are combined on a watershed basis for implementation.

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Dromedary pearlymussel (Dromus dromas)	3	1.2.1	Determine species' present distribution and status.	Ongoing Current	Prior to FY 1995		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries	Research: Population Surveys	Species Expert	
Dromedary pearlymussel (Dromus dromas)	2	1.2.2	Characterize habitat and determine essential elements.	Ongoing Current	FY 2005		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries	Research: Habitat Requirements	Graduate Student	

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Dromedary pearlymussel (Dromus dromas)	2	1.2.3	Determine the extent of preferred habitat and present information in a manner which identifies areas in need of special attention.	Ongoing Current	FY 2005		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries	Research: Population Assessment	Graduate Student	This task includes task number 1.2.4.
Dromedary pearlymussel (Dromus dromas)	1	1.3.1	Determine present and foreseeable threats to species.	Ongoing Current	FY 2000 - FY 2004		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Ecological Services, Virginia Commission of Game and Inland Fisheries	Research: Other Information	Internal Field Assistance	This task includes tasks 1.3.2 and 1.3.3.

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Dromedary pearlymussel (Dromus dromas)	2	1.3.4	Determine measures needed to minimize threats and implement where needed to meet recovery.	Ongoing Current	FY 2007		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, Tennessee Nature Conservancy, U.S. Fish and Wildlife Service - Endangered Species Program, Ecological Services, Virginia Commission of Game and Inland Fisheries, Kentucky Nature Conservancy, Virginia Nature Conservancy	Management: Planning	Internal Technical Assistance	The EPA, TDEC, VDEQ, and VDMME signed an MOU to establish a working group for coordinating efforts and enhancing communication among themselves to protect and restore the Clinch and Powell rivers. As a result, a biodiversity conservation science plan is being developed for the Clinch and Powell rivers, and agencies are partnering together to complete restoration projects in these rivers and to improve overall water quality.

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Dromedary pearlymussel (Dromus dromas)	2	1.4.1	Solicit help in protecting species and essential habitat.	Ongoing Current	Prior to FY 1995		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, Tennessee Nature Conservancy, U.S. Fish and Wildlife Service - Endangered Species Program, Ecological Services, Virginia Commission of Game and Inland Fisheries, Kentucky Nature Conservancy, Virginia Nature Conservancy	Management: Planning	Internal Technical Assistance	This task includes tasks 1.4.2, 1.4.3, and 1.4.4. See comments for 1.3.1-1.3.4.

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Dromedary pearlymussel (Dromus dromas)	2	1.4.5	Develop and utilize information and education program (slide/tape shows, brochures, etc.) for local distribution.	Ongoing Not Current	Prior to FY 1995		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, Tennessee Nature Conservancy, U.S. Fish and Wildlife Service - Endangered Species Program, Ecological Services, Virginia Commission of Game and Inland Fisheries, Kentucky Nature Conservancy, Virginia Nature Conservancy	Other: Information and Education	Internal Field Assistance	Task duration is one year for development and continued implementation after that.

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Dromedary pearlymussel (Dromus dromas)	2	1.5	Investigate the use of Scenic River Status, mussel sanctuaries, land acquisitions, and/or other means to protect the habitat.	Ongoing Current	Prior to FY 1995		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, Tennessee Nature Conservancy, U.S. Fish and Wildlife Service - Endangered Species Program, Ecological Services, Virginia Commission of Game and Inland Fisheries, Kentucky Nature Conservancy, Virginia Nature Conservancy	Acquisition: Easement, Acquisition: Fee Title	Internal Field Assistance	
Dromedary pearlymussel (Dromus dromas)	3	2.1	Survey rivers within species' historic range to determine availability of suitable transplant sites.	Complete	FY 2000 - FY 2004	FY 2005	Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries	Research: Habitat Requirements, Research: Habitat Status	Species Expert	This task includes task 2.2.

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Dromedary pearlymussel (Dromus dromas)	3	2.3	Determine best method of establishing new populations.	Complete	FY 2000 - FY 2004	FY 2005	Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries	Research: Reintroduction	Species Expert	Tasks 2.1 - 2.3 may not be required if other populations are found in task 1.2.1.
Dromedary pearlymussel (Dromus dromas)	3	2.4	Reestablish populations within historic range as needed to meet recovery.	Ongoing Current	FY 2000 - FY 2004		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries	Management: Reintroduction	Species Expert	



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Dromedary pearlymussel (Dromus dromas)	3	2.5	Implement same protective measures for these reestablished populations as for known populations.	Ongoing Current	FY 2000 - FY 2004		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, Tennessee Nature Conservancy, U.S. Fish and Wildlife Service - Endangered Species Program, Ecological Services, Virginia Commission of Game and Inland Fisheries, Kentucky Nature Conservancy, Virginia Nature Conservancy	Management: General	Species Expert	
Dromedary pearlymussel (Dromus dromas)	1	3	Conduct life history studies on a need-to-know basis.	Complete	FY 2000 - FY 2004	FY 2005	Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries	Research: Other Information, Research: Propagation	Species Expert	

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Dromedary pearlymussel (Dromus dromas)	3	4	Determine the number of individuals required to maintain a viable population.	Not Started			Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries	Work type not yet selected	Labor type not yet selected	These studies will be developed and carried out where there is a specific need for data necessary to reach recovery.
Dromedary pearlymussel (Dromus dromas)	3	5	Investigate the need for habitat improvement and implementation only where needed to meet recovery objective.	Ongoing Current	Prior to FY 1995		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries	Management: Habitat Maintenance and Manipulation	Internal Technical Assistance	See comment for 1.3.1-1.3.4.

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Dromedary pearlymussel (Dromus dromas)	2	6	Develop and implement a monitoring program.	Not Started			Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries	Work type not yet selected	Labor type not yet selected	
Dromedary pearlymussel (Dromus dromas)	2	7	Annual assessment of recovery program and modify where needed.	Ongoing Current	Prior to FY 1995		Tennessee Valley Authority , Tennessee Wildlife Resources Agency , Kentucky Department of Fish and Wildlife Resources, Kentucky State Nature Preserves Commission, USFWS Regional Office 5, Tennessee Heritage Program, USFWS Regional Office 4, Tennessee Nature Conservancy, U.S. Fish and Wildlife Service - Endangered Species Program, Virginia Commission of Game and Inland Fisheries, Kentucky Nature Conservancy, Virginia Nature Conservancy	Management: Planning	Internal Field Assistance	